

**PRODUCTION OF COPOLYMER PARTIALLY SUBSTITUTED BY HYDRAZIDE GROUPS**

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**Abstract of JP62146903**

**PURPOSE:**To obtain the title copolymer of a desired degree of substitution by hydrazide groups easily in good yields, by reacting a copolymer comprising a specified vinyl monomer with a hydrazide forming reagent in an organic solvent. **CONSTITUTION:**The following copolymer is reacted with a hydrazide forming reagent in an organic solvent, whereupon the ester groups of amide groups in the vinyl monomer A moiety of the components of the copolymer are selectively converted into hydrazide groups to form a copolymer partially substituted by hydrazide groups. Said copolymer used is one comprising a vinyl monomer A having an ester or amide group in the molecule and a vinyl monomer B having the same group as above and having a value of log P larger than that of monomer A by at least 0.4, or a copolymer comprising said monomers A and B and a vinyl monomer C having an ester group or an amide group in the molecule and being copolymerizable therewith.

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